EXERCISE 3

RANKING ARRANGEMENT

1. **Kelvin is fifteenth from the front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Kelvin and the seventh boy from the end of the column?**

   a) 33
   b) 34
   c) 35
   d) Data inadequate.

   Answer: c)

   Explanation: Number of boys in front of Kelvin = 14.
   Number of boys behind Kelvin = (14 x 3) = 42.
   Total number of boys in the column = (14 + 1 + 42) = 57.
   In a column of 57 boys, the seventh boy from the end is clearly 51st from the start.
   Thus, we have to find the number of boys between the 15th and the 51st boy, which is clearly 35.

2. **In a queue, A is eighteenth from the front while B is sixteenth from the back. If C is 25th from the front and is exactly in the middle of A and B, then how many persons are there in the queue?**

   a) 45
   b) 46
   c) 47
   d) 48

   Answer: c)

   Explanation: The position of B from the front = 25 x 2 – 18 = 32nd
   Also, the position of B from the back = 16th.
   Thus, the total number of persons in the queue = 32 + 16 – 1 = 47

3. **In a row of children, Deepti is ninth from the left and Kashish is thirteenth from the right. They exchange their positions and then Deepti becomes seventeenth from the left. Find the new position of Kashish from the right end of the row.**

   a) 20
   b) 21
   c) 27
   d) 31

   Answer: b)

   Explanation: Deepti's new position is 17th from the left and 13th from the right.
   So, number of children in the row = (16 + 1 + 12) = 29.
   Now, Kashish's new position is Deepti's earlier position which is 9th from the left. Number of children to the right of Kashish = (29 – 9) = 20.
   Hence, Kashish's new position is 21st from the right.

4. **In a queue, Shikhar is ninth from the back. Arun's place is eighth from the front. Nikhil is standing between the two. What could be the minimum number of boys standing in the queue?**

   a) 8
   b) 10
   c) 12
   d) 14.

   Answer: d)

   Minimum number of students will be possible in the following case.

Shikhar	Nikhil	Arun
¬		→
9		8
®		←
6		7

   Thus, in the above case, total number of students = 9 + 6 – 1 = 14

5. **In a row of boys, if A who is tenth from the left and B who is ninth from the right interchange their positions, A becomes fifteenth from the left. How many boys are there in the row?**

   a) 23
   b) 27
   c) 28
   d) 31

Answer: a)

Explanation: Clearly, A's new position is 15th from the left. But this is the same as B's earlier position which is 9th from the right. Number of children in the row

= (10 + 4 + 9) = 23

6. If Raman is ranked tenth in a class of 40 students, then what is his rank from the last?

   a) 33   b) 31
   c) 35   d) 30

Answer: b)

7. In a row of children A is 13th from the left and D is 17th from the right. If in this row A is 11th from the right then what is the position of D from the left?

   a) 12th   b) 11th
   c) 8th   d) 7th

Answer: a)

8. In a row of 40 children, P is 13th from the left end and Q is 9th from the right end. How many children are there in between P and R, if R is 4th to the left of Q?

   a) 14   b) 16
   c) 15   d) 12.

Answer: a)

9. In a class of students, if Rohit is 9th from the left and 41st from the right, what is the total strength of the class?

   a) 51   b) 53
   c) 49   d) 45

Answer: d)

10. B harti is 8 ranks ahead of Divya who ranks 26th in a class of 42 students. What is Bharti's rank from the last?

    a) 25th   b) 26th
    c) 27th   d) 28th.

Answer: c)

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